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Substitute for form 1449B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	Unassigned
				Filing Date	October 17, 2003
Date Submitted: October 17, 2003				First Named Inventor	Hirokazu HONDA
				Group Art Unit	2824
(use as many sheets as necessary)				Examiner Name	Unassigned Owens
				Attorney Docket Number	067123-0195
Sheet	1	of	2		

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
BEO	A1	6,153,448		TAKAHASHI et al.	09-06-2001	
	A2	5,998,861		HIRUTA	12-02-1999	duplicate
	A3	5,977,641		TAKAHASHI et al.	11-02-1999	
	A4	5,736,790		IYOGI et al.	04-07-1998	
	A5	5,677,576		AKAGAWA	10-14-1997	
	A6	5,682,061		KHANDROS et al.	10-28-1997	
	A7	2001/0018986		NAGAI et al.	09-06-2001	
	A8	2001/0013425		ROKUGAWA et al.	08-16-2001	
	A9	2001/0004134		SAITO	06-21-2001	
	A10	5,683,942		KATA et al.	11-04-1997	
	A11	6,344,696	B2	NAKAMURA	02-05-2002	
	A12	2001/0035586	A1	NAKAMURA	11-01-2001	
	A13	2002/0068383	A1	NAKAMURA	06-06-2002	
	A14	5,074,947		ESTES et al.	12-24-1991	
	A15	5,237,130		KULESZA et al.	08-17-1993	
	A16	5,998,861		HIRUTA	12-07-1999	

FOREIGN PATENT DOCUMENTS

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
BEO	A17	EP	1 043 922	A1	IBIDEN CO., LTD.	10-11-2000		
	A18	WO	99/17352	A1	PARTNERSHIPS LIMITED, INC.	04-08-1999		
	A19	EP	1 128 431	A2	NEC CORPORATION	08-29-2001		
	A20	WO	98/25297	A1	SEIKO EPSON CORPORATION	06-11-1998		
	A21	JP	2001-24021		HITACHI LTD.	01-26-2001		
	A22	JP	5-275489		HITACHI LTD.	10-22-1993		
	A23	JP	8-330355		SHINKO ELECTRIC IND. CO. LTD.	12-13-1996		
	A24	JP	8-37253		MITSUBISHI ELECTRIC CORP.	02-06-1996		
	A25	JP	9-148334		TOSHIBA CORP.	06-06-1997		
	A26	JP	3-119737		FUJITSU LTD.	05-22-1991		
	A27	JP	10-313074		TOSHIBA CORP.	11-24-1998		
	A28	JP	11-097578		HITACH LTD.	04-09-1999		
	A29	JP	11-224885		MATSUSHITA ELECTRON CORP.	08-17-1999		
	A30	JP	11-111896		NEC CORPORATION	04-23-1999		

Examiner Signature

Beth E. Owens

Date Considered

3.4.04

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		Office ³	Number ⁴	Kind Code ⁵ (If known)				
BEO	A31	JP	06-302604		MITSUBISHI ELECTRIC CORP.	10-28-1994		
	A32	JP	2000-349197		MATSUSHITA ELECTRIC CO., LTD.	12-15-2000		
	A33	JP	2000-174052		IBIDEN CO. LTD.	06-23-2000		
	A34	JP	08-330313		SHINKO ELECTRIC IND. CO., LTD.	12-13-1996		
	A35	JP	2001-028379		ASAHI CHEM IND. CO. LTD.	10-30-2001		
	A36	JP	2000-269256		HITACHI LTD.	09-29-2000		
	A37	JP	10-303327		YAMAICHI ELECTRON CO., LTD.	11-13-1998		
	A38	WO	99/18609		MINNESOTA MINING AND MANUFACTURING COMPANY	04-15-1999		
	A39	JP	5-503191		EPOXY TECHNOLOGY INC.	05-27-1993		
	A40	JP	09-092685		TOSHIBA KK	04-04-1997		
	A41	JP	11-040613	A	SHINKO ELECTRIC IND. CO. LTD.	02-12-1999		
	A42	JP	11-074309	A	TOSHIBA CORP.	03-16-1999		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
BEO	A43	AMAMI et al., "Advanced MCM-Ls for Consumer Electronics," IEMT/IMC Proceeding, pp. 249-254, Matsushita Electric Industrial Co., Ltd. 1998.	
BEO	A44	KOJI MATSUI et al., "Resin and Flexible Metal Bumps for Chip-on-Glass Technology," Electronic Components and Tech. Conf., 1993 Proceedings, 43 rd , IEEE, Material Development Center, Color LCD Division, NEC Corporation.	

Examiner Signature	Ruth E Owens	Date Considered	3.4.04
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